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AGRICULTURAL LIBRARIES INFORMATION NOTES

National Agricultural Library

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INFORMATION CENTERS: IN TOUCH WITH AGRICULTURE

Debbie Hanfman, Aquaculture Info. Center Coordinator (l.), distributes literature at the Int'l. Assoc. of Marine Science Libraries and Info. Centers conference as Jean Bellows, fellow reference librarian, looks on. (Photo by Bill Carnahan)

Say the words food irradiation, aquaculture, biotechnology, and critical agricultural materials at the National Agricultural Library (NAL) these days and you will likely be directed to an information center by the same name.

The formation of information centers at the NAL in recent months has generated both excitement and curiosity in the agricultural community.

What, you may be wondering, is the impetus behind the creation of these centers and more importantly, how will the services offered by these and other centers anticipated by NAL differ from those the Library has traditionally provided?

"As a dynamic organization NAL is continually searching for ways to enhance its responsiveness to our current clientele and in the process reach new user groups," explains Joe Howard, NAL Director. "With the provision of some extra positions from Congress and the hope for more in the future, NAL foresaw an opportunity to increase the quantity and quality of its services on an incremental basis."

To help accomplish this goal, NAL decided to create information centers on various subjects and in doing so work with support

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groups in industry, Federal and State agencies, and the scientific community to establish these Centers as national focal points for information dissemination activities. "The Library's unparalleled collections," comments Howard, "provide the bibliographic foundation from which these Centers can grow."

Recognizing that agriculture is a broad-based discipline, several factors have determined what subjects will initially be covered. These include:

. Congressional mandate
. Priorities within the U.S. Department of Agriculture
. Availability of subject expertise on NALs staff
. Financial support and interest by agricultural trade and professional organizations.

While information centers are not physically isolated units--materials are housed at NAL within the regular collection--the designation of a topic as an information center will effect increased activity on several fronts including:

- Collection Development - Strengthen the identification and acquisition of new books, journals, audiovisual materials, and computer software. Locate and acquire outstanding historical collections and oral histories that will help enrich the national collection. Enter these acquisitions into AGRICOLA and other computer data base systems, making publications available nationally and internationally through interlibrary loan.

- Information Products - Develop consumer/researcher finding aids such as directories of experts, institutions, associations, and current research as well as guides to the literature such as subject bibliographies and pathfinders.

- Outreach - Increase the awareness of NAL products and services through presentations to interested organizations, attendance at professional meetings and trade shows, specialized brochures and pamphlets, and traveling exhibits.

- Public Services - Provide expanded information services for responding to consumer and scientific inquiries through appointment of one or more NAL staff to coordinate a Center's response network.

Food Irradiation Center coordinator Carole Shore, reviews NAL collections as part of Center's expanded collection development activities.

Information Centers at a Glance

Since the introduction of the information centers concept several centers have been established and are operational. Some of the varied activities of these centers are highlighted below:

Food Irradiation

Coordinator: Carole Shore, Room 304, NAL, (301) 344-3719

Formed in response to growing government and industry interest in the use of radiation for food preservation and treatment. Efforts to centralize and enhance access to the large body of food irradiation materials in existence has resulted in the acquisition of several important collections representing food irradiation research conducted by leading authorities from 1945-84. Other government

agencies are also being contacted to obtain their toxicological studies on food irradiation.

The Center is now working with the Agricultural Research Institute's Special Committee on Irradiation Processes for Agricultural Products, the Coalition for Food Irradiation, and other organizations to identify sources of potential support. The Coalition, headed by Dr. Harry Mussman, executive vice-president of the National Food Processors Association, is a broad-based group of food industry, consumer, and technical interests formed to educate the public and inform Congress and the regulatory agencies on the food irradiation process.

Aquaculture

Coordinators: Debbie Hanfman and Lee Decker, Room 111, NAL, (301) 344-3704

Predicated on the National Aquaculture Act of 1980 calling for the establishment and maintenance of an information service for aquaculture, this Center is steadily expanding its resources. Recent activities have included:

- The acquisition of microfiche copies of the sizeable collection of the Virginia Institute of Marine Science (VIMS) collection on aquaculture.

- An arrangement with the National Oceanic and Atmospheric Administration (NOAA) and FAO's Aquatic Sciences and Fisheries Information System (ASFIS) whereby all indexing of aquaculture information would be done under the supervision of ASFIS. This will eliminate expensive duplication of work. ASFIS will also provide NAL with a free copy of all documents (not already part of NAL's collection) indexed anywhere in the world.

In the coming months the Center will concentrate on the continued evaluation of aquaculture collections for possible acquisition, the production of several specialized information products, and meeting with national and international aquaculture organizations.

Biotechnology

Coordinators: Jean Bellows and Susan Whitmore, Rm. 111, NAL, (301) 344-3704

Center formed as part of a continuing effort to complement and support research priorities in U.S. agriculture. Still in its "embryonic" stages, Center staff will be working to ensure that all relevant biotechnology literature is indexed and accessible worldwide through appropriate bibliographic services. For USDA personnel, keeping posted on recently published biotechnology literature is possible through a CALS (Current Awareness Literature Service) system search of Telegen--a database of scientific, technical, and socioeconomic information related to genetic engineering and biotechnology. Full-text documents from Telegen in either hardcopy or microfiche can be furnished to USDA and non-USDA users. Immediate plans call for preparation of a seminar and brochures describing the Center and its services, publication of subject bibliographies, and aggressive evaluation of NAL holdings in biotechnology.

Critical Agricultural Materials

Coordinators: Jerry Rafats, Evelyn Brownlee, Room 111, NAL, (301) 344-3704

Center's focus is on the use of domestically produced agricultural products which have the potential for providing industrial materials of vital importance to the economy, the defense, and the general well-being of the Nation. Considerable progress in enhancing NAL coverage of critical materials literature has been made with the help of the Arid Lands Information Center (ALIC) at the University of Arizona. Through a cooperative agreement the identification, acquisition, cataloging, and indexing of newly published materials will be performed by area experts. Also, non-copyrighted materials from the extensive guayule and jojoba collection

at ALIC have been microfiched and indexed with the support of the USDA Office of Critical Materials. Center staff are cooperating with the USDA Office of Critical Materials to provide information about this important topic. Several subject bibliographies have been developed and other information products are planned for the future. The Office, established pursuant to the provisions of The Critical Materials Act, PL 98-284, serves as a central location addressing agency research and development of agricultural crops having the potential of producing materials for strategic and industrial purposes.

Food and Nutrition (FNIC)

Coordinator: Robyn Frank, Rm. 304, NAL, (301) 344-3719

This highly successful center established in 1971 serves as a model for new information centers. The services of the Center include: providing reference services (including referral service and computer searches of major databases when necessary), serving as a national demonstration center for food and nutrition microcomputer software, lending of books and audiovisuals, and providing photocopies of journal articles.

Model information center established in 1971. (Photo courtesy Food and Nutrition Service)

Over the years, several selected bibliographies have been published. As a result of two of these publications, FNIC has become the national depository of all training and education materials developed by the Supplemental Feeding Program for Women, Infants, and Children (WIC) and the Nutrition Education and Training (NET) Program.

Future Centers

The identification of high priority topics for inclusion in the information centers program is an ongoing process. Suggestions and recommendations are considered from all sources. Centers now in the planning stages include Alternative Farming Systems, Fibers, Horticulture, and the Family.

How You Can Help

At the present time, much of the work of the information centers is being accomplished with existing NAL staff and funds. Additional resources will enable NAL to expand its activities even further. Assistance for present and projected information centers is also needed in the following areas:

Publications - Check with your publications office and/or librarian to be sure we are receiving all of your publications.

Serial Holdings - Librarians and technical information specialists, send your latest serial holdings list related to the Information Centers in your subject speciality.

Special Collections and Events - If you are aware of individuals or groups who are interested in donating archival collections or sponsoring special events or exhibits, direct them to an appropriate information center.

If you are in a position to help or if you have questions, comments, or suggestions, contact an Information Center Coordinator or the Education and Information Staff at (301) 344-3937.

NAL PROJECTS AND POLICIES

FEED COMPOSITION DATA BANK OPENS FOR BUSINESS

Howard Lloyd and Jenny Hoerst of the Feed Composition Data Bank (FCDB) discuss latest feed table on horse nutrition. (Photo by Bill Carnahan)

The Feed Composition Data Bank (FCDB) is now operational at NAL. The data bank is one of the most complete compilations of data on feedstuffs in the world, containing information on more than 23,000 feeds. The FCDB exchanges feed composition information within the International Network of Feed Information Centers (INFIC), and, since its transfer to NAL in June, it has grown rapidly through utilizing the extensive collection of research papers available at the Library.

The data bank provides a full range of feed composition tables. Many can be customized to meet individual requests for energy and proximate components, vitamin composition, protein constituents, anti-nutrients and toxicants, and energy utilization by animal species. The NAL also offers several FCDB publications which are available for purchase.

The FCDB relies heavily on current research for its nutrient information collection activities. The Library actively seeks any data contributions from researchers in the feedstuffs community--government as well as industry.

The FCDB staff welcomes the opportunity to exchange feedstuffs information and disseminate feed composition tables. For further information contact, the Feed Composition Data Bank, Information Systems Division, National Agricultural Library, Beltsville, Maryland 20705, (301) 344-3813.

PUBLICATION OF NAL CATALOG SUSPENDED

Rowman & Allanheld, a division of Littlefield, Adams & Company, publishers of the National Agricultural Library Catalog, are suspending publication of the Catalog after the December, 1985 issue. That issue should reach subscribers late in 1986. Rowman & Allanheld will continue to maintain stock on hand for some time, to fill requests for back issues.

NAL wants users of the published Catalog to be aware of alternate sources for information about the materials it collects. The NAL catalogs the books and journals it receives using OCLC, a nationwide online cataloging system. Over 4,000 libraries share access to the OCLC data base. The NAL also indexes articles from many of the scientific journals it obtains. This indexing, together with NAL cataloging, is included in the AGRICOLA data base.

AGRICOLA may be searched by subject as well as author or title, in either of two commercial online information retrieval systems, BRS and DIALOG. In addition, the NAL is actively planning the use of other advanced technologies, including laser discs, for dissemination of its data bases in 1986.

The Bibliography of Agriculture, published by ORYX Press, currently prints all of the citations to journal articles indexed by NAL in the AGRICOLA data base. Beginning with the January 1986 issue of that publication, ORYX Press intends to also include citations for monographs (but not serials) cataloged by the NAL. While the citations will not appear in the same catalog card format in which they were displayed in the printed National Agricultural Library Catalog, most of the items which would have appeared in the printed catalog will be accessible in the Bibliography.

For more specific information you may wish to get in touch with one or more of the vendors listed above or contact Sarah Thomas, Chief, Technical Services Division, NAL, Rm. 100, (301) 344-3834.

NAL OFFERS PRE-CONFERENCE TOUR

The National Agricultural Library will be sponsoring a day-long tour of its facilities and the Beltsville Agricultural Research Center (BARC) in conjunction with the Association of College and Research Libraries (ACRL) Fourth National Conference, April 9-12, Baltimore, Maryland.

The tour is scheduled for Tuesday, April 8, 1986--8:00 a.m.-3:30 p.m. and is available free of charge.

Participants will board a bus at 8:00 a.m. at the Pratt Street entrance to the Baltimore Convention Center. The bus will depart Beltsville for return to Baltimore at 3:30 p.m.

If you wish to attend this tour, send your name, address, and telephone number by March 24, 1986, to:

Maria G. Pisa, Leader
Special Services & Communications
Room 203
National Agricultural Library, USDA
Beltsville, MD 20705

NAL LAUNCHES LASER DISC II

NAL is about to embark on its second project utilizing laser videodisc technology. Within the next few months, NAL will be mastering a laser disc containing 13 different USDA and State Extension Service publications. The disc will include the full digitized text plus associated graphics for each publication.

The selected publications, which include such popular titles as Agricultural Statistics, Wood Handbook, Home Canning Handbook, Extension Goat Handbook, and the Directory of Professional Workers in State Agricultural Experiment Stations, represent a varied cross-section of subject, text, and graphic material and machine readable formats.

As with the original laser videodisc evaluation project which utilized the Pork Industry Handbook, NAL will make the new disc widely available within the agricultural community. However, unlike the earlier project, the Library is unable to support the cost of hardware and software.

Interested groups and organizations are invited to participate in the use of the second disc with the understanding that NAL will provide only the disc.

Those wishing to participate in the project are asked to provide their own hardware and software. To assist you in the cost assessment, the following is a list of hardware and software that is necessary to use the new laser videodisc:

ITEM	COST
IBM PC-XT, 512 kbytes of memory with monitor and mono adapter card	$ 4,000
Pioneer LDV-1000 Videodisk Player	900
LaserData Trio 110 Controller with Interface Card	3,200
Panasonic TR124 Monochrome Display Monitor Printer	200
PCIX Operating System	1,000
BRS Search	1,000
	$10,300

We recognize that this cost is high, but anticipate that many libraries will already own some portion of the hardware and software.

Current plans call for processing the 13 publications and mastering the disc by Spring 1986. We would ask each participating institution to provide feedback as to the effectiveness of the disc for the dissemination of agricultural information. For further information contact Pamela Q.J. Andre, Chief, Information Systems Division, NAL, 5th Floor, Beltsville, MD 20705, (301) 344-3813.

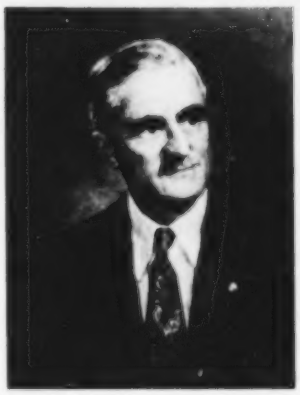
AGRICULTURAL DATABASES DIRECTORY PUBLISHED

Agricultural Databases Directory, an index to over 400 computer readable database systems relating to agriculture, has been published by NAL.

The Directory was produced through a cooperative agreement by the staff of the Information Retrieval Research Laboratory (IRRL) at the University of Illinois under the direction of Professor Martha E. Williams. Compiled in conjunction with the preparation of a larger database directory entitled Computer-Readable Databases: A Directory and Data Sourcebook (CRD), the Directory contains records that do not appear in CRD. For the most part these are databases produced by extension services. Contacts with nearly 60 directors of extension services were made to obtain publicly available databases produced by them.

The publication is Number 42 in the Bibliographies and Literature of Agriculture (BLA) series of the U.S. Department of Agriculture. Copies are available for purchase from the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161. Telephone: (730) 497-4780. Report No.: PB86-120789/AS. Cost: $22.95 (paper copy) and $5.95 (microfiche).

HALL OF FAME RELOCATED AS FIRST STEP IN EXPANDING POULTRY INFORMATION RESOURCES



Portraits of Andrew Christie (1888-1964), breeder of a broiler strain of New Hampshire chicken and Kathryn B. Niles (1898-1970), creator of over 10,000 egg, chicken, and turkey recipes, are part of the Poultry Hall of Fame recognizing persons for achievement in the industry.

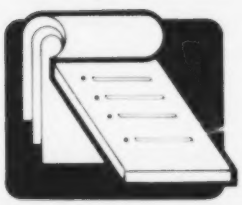
The Poultry Hall of Fame, housed in the NAL's reading room since 1972, has been relocated to NAL's second floor executive offices. The special collection of portraiture recognizes persons for outstanding achievement and leadership in the poultry industry.

The new location will allow for centralized access to the collection, as well as future expansion. In addition, the improved vantage point will provide an ambiance from which to reflect on the people who, in the short space of half a century, brought the poultry industry from a small farm operation to its present status as one of the most modern, scientific, and rapidly-growing segments of agriculture.

The American Poultry Historical Society (APHS), sponsors of the Poultry Hall of Fame, and the Library have long cooperated to collect, disseminate, and preserve information about the development of the poultry industry in America. In 1971, the National Agricultural Library received the James M. Gwin Poultry Collection of over 1,000 volumes--the personal working library of Dr. Gwin, a former professor of Poultry Husbandry and director of the Extension

Service at the University of Maryland. Most recently, the NAL and the APHS exhibited jointly at the Southeastern Poultry & Egg Association Trade Show in Atlanta.

The Library is now seeking support to process and enter into AGRICOLA the bibliographic records of the Gwin collection, and to preserve this outstanding collection from acid deterioration. Inquiries and suggestions may be sent to Dr. Alan Fusonie, Special Collections, NAL, 14th Floor, (301) 344-3876.



NEW SERIALS RECEIVED AT NAL

CONTEMPORARY ISSUES IN SMALL ANIMAL PRACTICE. New York, NY, Churchill Livingstone. irr. Vol. 1 (1985)-
SF601.C64

INVESTIGATIVE MICROTECHNIQUES IN MEDICINE AND BIOLOGY. New York, NY, Dekker. irr. Vol. 1 (1984)-
QH324.158

IRRI HIGHLIGHTS. Los Banos, Laguna, International Rice Research Institute. a. (1984)-
SB191.R5153

JAPAN ECONOMIC ALMANAC. Tokyo, The Japan Economic Journal. a. (1985)-
HC461.A116

LETTERS IN APPLIED MICROBIOLOGY. London, England, Society for Applied Bacteriology, Blackwell Scientific Publications. irr. Vol. 1, no. 1 (1985)-

QUICK BIBLIOGRAPHIES

The bibliographies in this series are primarily computerized online or batch bibliographies emanating from searches performed by the NAL reference staff in response to customer requests. Searches are selected for inclusion based on the currency of the topic, interest among clientele, relative length and probable value to a larger audience. Revisions or updates will be renumbered and reannounced. Only one copy of a title will be sent; however, requesters may make copies. To request a copy of a Quick Bibliography send the title, series number, and a return addressed label to:

Reference Branches, Room 111
National Agricultural Library
Beltsville, MD 20705

NAL--Q.B.--86-19. INTEGRATED PEST MANAGEMENT. 192 citations from AGRICOLA. English only. Searched by Jayne T. MacLean. November 1985. Updates 84-33.

NAL--Q.B.--86-20. URBAN HORTICULTURE. 160 citations from AGRICOLA. English only. Searched by Jayne T. MacLean. November 1985. Updates 84-37.

NAL--Q.B.--86-21. LEGUMES IN CROP ROTATIONS, 1979-85. 127 citations from AGRICOLA. English only. Searched by Jayne T. MacLean. December 1985. Updates 84-10.

NAL--Q.B.--86-22. HYDROPONICS/NUTRIENT FILM TECHNIQUE, 1979-85. 187 citations from AGRICOLA. English only. Searched by Henry Gilbert. December 1985.

NAL--Q.B.--86-23. ACID RAIN, 1983-85. 391 citations from AGRICOLA. English only. Searched by Sheldon Cheney. December 1985. Updates 83-18.

NAL--Q.B.--86-24. KILLER BEES/AFRICANIZED BEES, 1970-85. 267 citations from AGRICOLA. Languages none excluded. Searched by Sheldon Cheney. December 1985.

NAL--Q.B.--86-25. URBAN FORESTRY, 1983-85. 254 citations from AGRICOLA. English only. Searched by Jayne T. MacLean. January 1986. Updates 84-19.

STAFF UPDATE

NEW BRANCH HEADS NAMED IN PUBLIC SERVICES DIVISION

E. Goldberg

Two key appointments in the Public Services Division were announced recently. Elizabeth Goldberg reported for work November 25 as the head of the Farming and Forestry Reference Branch. In assuming her new position, Ms. Goldberg becomes the first permanent head of Farming and Forestry—a unit created as a result of the reorganization of the reference function into agricultural subject areas. She replaces Jennie Brogdon who served as acting head.

Ms. Goldberg comes to NAL from the U.S. Consumer Product Safety Commission where she had been Chief, Library and Information Services Branch since 1982. She holds a B.A. degree from the University of Washington, Seattle, and an M.L.S. from the University of Illinois, Urbana. As part of her new duties, she will be concentrating on the continued development of information centers, coordination of AGRICOLA training programs, and serving on the NAL Marketing Committee.

Carol Ditzler was appointed head of the Lending Branch, effective December 9. Ms. Ditzler had served as assistant head of the Circulation and Control Section at the National Library of Medicine since 1984 after holding positions of increasing responsibility at that institution since 1980. She earned her B.A. and M.L.S. degrees at Florida State University, Tallahassee. As head of NAL's lending, bindery, and stacks operations, several projects expected to occupy Ms. Ditzler's immediate attentions include an intensive examination of present lending policies and procedures, evaluating the use of new technologies for receiving requests, and enhancing outreach activities to users.

CORNELIUS "MAC" MCKISSICK RETIRES

C. McKissick

When Cornelius "Mac" McKissick retired after 36 years of Federal service, all of it with the National Agricultural Library, the Department lost a valuable asset and NAL lost a sizable portion of its institutional memory.

Mr. McKissick's career began with the Library when the entire operation was located in USDA's South Agriculture Building in Washington, D.C. Prior to passing the very tough librarian exam, he served in both the Lending and Reference Branches. He has also served as NAL's liaison to both the Library of Congress and the 1890 land-grant universities. His expert knowledge of the collection enabled him to provide the complex research support necessary to the national and international agricultural community.

Official recognition of Mr. McKissick's outstanding performance during his years of service with NAL have included several quality within-grade increases, and most recently the Distinguished Service Award presented by the Associates of NAL, Inc.

Over 125 coworkers, friends, and patrons "Mac" has assisted over the years attended his retirement reception. We will surely miss him, but "Mac" said he could probably be found on the golf course or at his favorite fishing spot.
(Photos by Dan Starr)

NEW PUBLICATIONS OF NOTE

*THE 1985 YEARBOOK OF AGRICULTURE, "U.S. AGRICULTURE IN A GLOBAL ECONOMY." Washington, D.C., U.S. Department of Agriculture. Analyzes U.S. agriculture interaction with the Nation's economy, its international trade functions, and how it is affected by apparently unrelated domestic policies. 1985. 410 p. $10.00.

THE AMERICAN STANDARD OF PERFECTION (ILLUSTRATED). A COMPLETE DESCRIPTION OF ALL RECOGNIZED BREEDS AND VARIETIES OF DOMESTIC POULTRY. 1985. American Poultry Association, Inc. publishers. Price unknown. 336 p. Order from publisher, Box 351, R.D. #4, Troy, NY 12180.

***AZALEAS. 1985. Fred Galle, Timber Press, 438 p. $65.00.

**BIBLIOGRAPHY OF AGRICULTURAL BIBLIOGRAPHIES, 1983. Beltsville, Maryland, U.S. Department of Agriculture, National Agricultural Library. A categorized listing of bibliographies indexed in the Library's database, AGRICOLA. Citations are arranged alphabetically by title within each section. An author index appears following the categorized citations. 1985. 288 p. (BLA No. 44). $22.95. PB86-1280481/AS.

*THE BRITISH MARKET FOR U.S. FOOD EXPORTS. Washington, D.C., U.S. Department of Agriculture, Economic Research Service. 1985. 38 p. (Foreign Agriculture Economic Report No. 210). $2.25. S/N 001-019-00374-0.

***DICTIONARY OF PLANT NAMES. 1985. Allen Coombes, Timber Press. 210 p. $9.95.

**DO USDA FARM PROGRAM PARTICIPANTS CONTRIBUTE TO SOIL EROSION. Washington, D.C., U.S. Department of Agriculture, Economic Research Service. April 1985. 85 p. (Report No. USDA/AER-532). $11.95. PB85-199404.

**IRRIGATION IN THE UNITED STATES. Washington, D.C., U.S. Department of Agriculture, Economic Research Service. April 1985. 74 p. (Report No. AGES-840815). $11.95. PB85-195568/XAB.

***MANUAL OF CULTIVATED CONIFERS. 1985. Gerd Krussman, Timber Press. 400 p. $65.00.

*A NEW METHOD TO ASSESS EFFECTS OF FOOD SUPPLY SHOCKS ON CONSUMPTION IN DEVELOPING COUNTRIES. Washington, D.C., U.S. Department of Agriculture, Economic Research Service. 1985. 47 p. (Technical Bulletin No. 1697). $2.00. S/N 001-029-00363-2.

SMALL FARM SYSTEMS IN THE CARIBBEAN. 1985. Proceedings of the 10th Annual Meeting of the Caribbean Food Crops Society held October 21-26, 1984. $15.00. Order from Editor, Caribbean Food Crops Society, Rt. 2, Box 10051, Kingshill, St. Croix, Virgin Islands 00850.

***SULCOREBUTIA AND WEINGARTIA: A COLLECTOR'S GUIDE. 1985. John Pilbeam, Timber Press. 130 p. $32.95.

**WORLD DURUM PRODUCTION AND TRADE, APRIL 1985. Washington, D.C., U.S. Department of Agriculture, Foreign Agricultural Service. April 1985. 22 p. (Report No. FG-5-85). $9.95. PB85-195337/XAB.

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*Order from Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Tel.: (202) 783-3238.

**Order from National Technical Information Service, Identification Section, 5285 Port Royal Road, Springfield, VA 22161. Tel.: (703) 487-4780. All titles listed are available in microfiche for $5.95 each.

***Order from International Specialized Book Service, P. O. Box 1632, Beaverton, OR 97075. Tel.: (503) 292-2606.

SURPLUS PUBLICATIONS AVAILABLE

The following publications are surplus to the needs of the National Agricultural Library's collection. They will be made available to any interested organization that regularly sends free publications to NAL. This includes most Federal, land-grant, and agricultural research institutions as well as many others. Foreign institutions will need to provide a U.S. mailing address or make other special arrangements with U.S. sources for shipment of material.

If interested, please write to: National Agricultural Library, USDA, Attn: Gift and Exchange, Room 112, Beltsville, MD 20705, or call Susan Fugate, (301) 344-3732.

1. Analytical Chemistry - v. 30, 1958; v. 35, 1963.

2. Biochimica Et Biophysica Acta - v. 19, 1956 - v. 82, 1964.

3. Bulletin of Experimental Biology and Medicine - v. 73, 1972 - v. 86, 1978.

4. Forest Farmer - v. 24, 1965 - v. 32, 1972 (bound).

5. Forest Industries - v. 89, 1962 - v. 94 1967 (bound).

6. Journal of Farm Economics - v. 29, 1948; v. 30, 1949; v. 32, 1950 - v. 35, 1953; v. 40, 1958 - v. 50, 1968.

7. Proceedings - American Veterinary Medical Association - 1950-1955.

8. Proceedings of the Association of Official Seed Analysts of North America - 1923-1965.

9. Wood and Wood Products - v. 68, 1963 - v. 72, 1967 (bound).

AGRICULTURE DATEBOOK

February 2-5: The 1986 LANDSCAPE/GARDEN MANAGEMENT CLINIC. Louisville, KY, Galt House. Contact: NLA/GCA Management Clinic, 1250 I Street, N.W., Suite 500, Washington, D.C. 20005.

February 2-5: 83RD ANNUAL MEETING OF THE SOUTHERN ASSOCIATION OF AGRICULTURAL SCIENTISTS. Orlando, FL, Sheraton Twin Towers & Howard Johnson's Hotels. Contact: Leon McGraw, Southern Association of Agricultural Scientists, 1068 Terrace Acres, Auburn, AL 36830.

February 4-6: THE INAUGURAL AUSTRALIAN SORGHUM CONFERENCE. Queensland Agricultural, Brisbane, Australia. Contact: M.A. Foale, Cooper Laboratory, Lawes (Gatton) 4343, Australia. Tel.: (075) 621611.

February 12-13: FOURTH ANNUAL CONSERVATION TILLAGE CONFERENCE. Pocatello, ID. Contact: Mark Weatherstone, 130 S. State, Preston, ID 83263. Tel.: (208) 852-0562.

February 19-22: AMERICAN FEED INDUSTRY ASSOCIATION TOP MANAGEMENT CONFERENCE. Scottsdale, AZ, McCormick Ranch Inn. Contact: Barbara Estridge, AFIA, 1701 N. Ft. Myer Drive, Arlington, VA 22209.

February 23-24: 35TH ANNUAL AGRI-BUSINESS CONVENTION, Sioux City, IA, Hilton Inn. Contact: Quad State AgriBusiness Assoc., P. O. Box 341, Sioux City, IA 51102.

February 23-26: ANNUAL AGRIBUSINESS EXECUTIVE EDUCATION PROGRAM. London, England, Hyde Park Hotel. Contact: Administration Director, Agribusiness Seminar, Glass Hall, Harvard Business School, Boston, MA 02163.

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February 26-27: NATIONAL FEED INGREDIENTS ASSOCIATION. Rosemont (Chicago), IL, Hyatt O'Hare. Contact: NFIA, One Corporate Place, Suite 375, West Des Moines, IA 50265.

March 3-5: 28th ANNUAL NFAIS CONFERENCE. "Innovations in Information Delivery." Philadelphia, PA. Contact: NFAIS, 112 South Sixteenth St., Philadelphia, PA 19102. Tel.: (215) 563-2406.

March 4-6: AGRI-MATION 2 CONFERENCE AND EXPOSITION. Chicago, IL, Chicago Hilton Hotel. Contact: Agri-Mation 2, Society of Manufacturing Engineers, One SME Drive, P.O. Box 930, Dearborn, MI 48121.

March 5-6: NATIONAL ALFALFA SYMPOSIUM. Ft. Wayne, IN, Marriott Hotel. Contact: David Petritz, Dept. of Agricultural Economics, Purdue University, West Lafayette, IN 47907.

March 11-13: 1986 AMERICAN PORK CONGRESS. St. Louis, MO, A.J. Cervantes Convention & Exhibition Center. Contact: Barbara Graves, APC, P. O. Box 10383, Des Moines, IA 50306.

March 17-21: SECOND INTERNATIONAL CONFERENCE ON THE APPLICATION OF MICRO-COMPUTERS IN INFORMATION DOCUMENTATION AND LIBRARIES. Baden-Baden, Federal Republic of Germany. Contact: Deutsche Geselischaft fuer Dokumentation e.V. (DGD), Westendstrasse 19, D - 6000 Frankfurt am Main 1, Federal Republic of Germany.

AGRICULTURAL LIBRARIES INFORMATION NOTES provides a channel of communication to technical information specialists, librarians, extension workers, researchers, and scientists on agricultural information activities. It is published monthly by the U.S. Department of Agriculture, National Agricultural Library, Beltsville, MD 20705. Maria G. Pisa, Editor, Marilyn M. Jacobs, Assistant Editor. (Tel: 301-344-3937.)

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AGRICULTURAL LIBRARIES INFORMATION NOTES

National Agricultural Library

U.S. Department of Agriculture
Beltsville, Md. 20705

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MORE THAN YOU EVER WANTED TO KNOW ABOUT STATE AGRICULTURAL PUBLICATIONS

by
Sarah Thomas
Chief, Technical
Services Division, NAL
(301) 344-3834

Library technician Annette Rojas searches OCLC for state-supplied cataloging record as part of a cooperative effort to improve coverage of state agricultural publications. (Photo by Bill Carnahan)

Several months ago the National Agricultural Library proposed a plan calling for land-grant libraries to work cooperatively with NAL to provide improved coverage of state agricultural publications. It was felt that through their combined efforts, the national and state libraries could collect, process, and provide document delivery for state experiment station and extension service publications.

The proposal outlined a plan in which land-grant libraries would acquire copies of state agricultural experiment station and extension service documents originating in their state for themselves and NAL. Items falling into certain categories would be cataloged by the land-grant library; this cataloging copy or a reference to it such as the OCLC or RLIN number would be sent with the actual document to NAL. Some cataloged items, series, and other texts such as most extension service publications would be indexed by NAL for the AGRICOLA database. Cataloged materials would appear in both OCLC and AGRICOLA, with records of some states also appearing in RLIN or WLN. NAL would also contribute bibliographic records representing these titles to the AGRIS database for world-wide distribution.

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A 17.23:

Since this plan was proposed by NAL, work has been underway to prepare for its implementation. Land-grant library directors designated contact persons for coordination of activities with NAL staff. In some cases it was established that state libraries or other university libraries rather than land-grant libraries had archival responsibility for state agricultural publications. NAL will also work with these institutions to obtain as comprehensive a collection of state publications as possible.

Last spring, NAL surveyed land-grant libraries to determine which were willing to participate at the initial stage of the program, and at which level. Some libraries answered an unequivocal yes, but the majority of those responding had questions about implementation details. Many librarians raised concerns at the NAL informational meeting held at ALA in July. For the benefit of those who could not attend, a representative sample of questions asked in the meeting and by mail follows:

Question: What is the benefit of this plan to land-grant schools?

Answer: State agricultural publications will be collected systematically, cataloged and/or indexed to provide national and international access, and will be made available for document delivery through the state institution(s) responsible for collecting them or through NAL as a back-up.

Question: Why should my library acquire state publications for NAL?

Answer: NAL believes that local institutions such as land-grant libraries that often have close ties to agricultural researchers are in the best position to locate and obtain this literature, which is often published in limited quantities and not widely announced. In the NAL proposal, each state would be primarily responsible for its agricultural publications, while at present NAL must attempt to track down documents from 50 states.

Question: Will we have to pay for documents acquired for NAL?

Answer: No. NAL is entitled to receive free copies of state extension service and agricultural experiment station publications.

Question: Will NAL pay the cost of mailing the publications?

Answer: NAL hopes the volume of titles to be mailed quarterly will be such that it does not place a hardship on the cooperating institution. If it should, NAL could provide franked labels.

Question: Will my library be expected to catalog all titles?

Answer: NAL has assumed that land-grant libraries would want to catalog state agricultural publications, if they are not already doing so. However, if local circumstances do not permit the library to catalog all or any state publications, NAL will provide bibliographic access to these publications when acquired for the NAL collection. NAL would like to avoid needless duplication of effort in cataloging state publications. If land-grant libraries are already cataloging these titles, NAL can use its resources to provide better access to U.S. materials.

Question: Are we expected to catalog using NAL subject headings?

Answer: NAL has been using Library of Congress subject headings since 1970, so this should not pose a problem for most libraries. NAL will modify copy provided by participating libraries to conform to its local practice and does not expect a library to change its cataloging policy to support this program.

Question: What will the volume of work be?

Answer: The volume will vary from state to state. Some states publish very little; other heavily agricultural states have very active experiment stations or extension services. NAL estimates that the average land-grant library would receive approximately 15 titles a year. Many of these would be series which would not be analyzed by the library; NAL will index these series in AGRICOLA according to database guidelines. Monographic series would, most likely, be analyzed by the state/land-grant library. In most cases, NAL would probably receive 20 cataloging records per year from a cooperating institution. For the institution this is an insignificant number, but for NAL, attempting to provide access to all state agricultural publications, it is a hefty 1,000 titles.

Question: Does NAL really want <u>all</u> formats, including pamphlets and brochures?

Answer: Yes. NAL wants all formats, including a/v material, software, maps, pamphlets, and brochures. If someone might want to access the publication, we want to own it.

Question: Will my library be expected to index or catalog signed book chapters or articles in proceedings?

Answer: No. NAL will do this when indexing for AGRICOLA. Many librarians have been confused about what their responsibility will be. For the most part, NAL recommends cataloging monographs, new serial titles, and analyzing some serials. For each library that elects to participate, NAL will prepare a list of series that it analyzes. The library can choose to catalog these or any state agricultural publications, but a decision not to analyze a particular title should not jeopardize participation in the program.

Question: In the case of a cataloging backlog at the land-grant library, will NAL accept the publications with cataloging copy 2 or 3 years after the publication date?

Answer: Please send documents to NAL within 6 months of receipt, whether or not you have cataloged the piece. Perhaps, if there are not many items, they could receive a high enough priority to ensure that they are cataloged within 6 months.

Question: Is it possible to send cataloging copy without acquiring the document?

Answer: Yes. We will note that you are not a participant in the acquisition portion of the program, but that you are in the cataloging and document delivery portions. NAL would acquire the publication itself and adapt your library's cataloging copy for AGRICOLA.

Question: What do you mean by document delivery?

Answer: The participating library will hold the state publications and supply them or copies of them on interlibrary loan. NAL will serve as back-up. This is essentially NAL's present policy for document delivery: requesters that are not part of USDA are encouraged to check local, state, and/or regional suppliers before sending a request to NAL.

Question: Will NAL pay for the cost of document delivery incurred by the states?

Answer: No. Since the states (and designated libraries) are responsible for holding the documents, they should be prepared to supply them as well.

Question: How long will this project take?

Answer: Forever. This is an ongoing project and will continue as long as the bibliographic environment for publishing and processing remains essentially the same. Advances in electronic publishing or other technological changes affecting processing or document delivery might necessitate review in a few years.

Question: How can I participate in this project?

Answer: The following libraries have agreed to participate: Iowa State; North Carolina State; Ohio State, Oregon State; Pennsylvania State; Purdue; Texas A&M; University of Illinois; University of Minnesota; University of Missouri-Columbia; University of Nevada, Reno; University of Tennessee; University of Vermont and State Agricultural College; University of Wisconsin, Madison; Utah State; and Washington State.

If you would like to join them, or have further questions, please contact the author.

A T T E N T I O N ! !

The Office of Personnel Management (OPM) has announced that the **General Librarian Register** will be open for receiving new applications from **February 25 to March 21, 1986.** Anyone who is interested in an entry level librarian series job in the Federal Government must apply and be on this register.

Interested candidates should either call OPM on (202) 254-9847 and leave a message requesting the application forms, write the main office of OPM, P.O. Box 52, Washington, D.C. 20044, or contact their area office of OPM.

NEWS NOTES

NAEHE PRESENTS HISTORICAL RECORDS TO NAL

Sam Waters, NAL Associate Director, examines donated records of the National Association of Extension Home Economists as Jane Taylor (l.) and Anna Mae Kobbe (r.), Association president and past president, respectively, look on. (Photo by Bill Carnahan)

On January 22, the NAL became the exclusive recipient of 11 bound volumes of historical records of the National Association of Extension Home Economists (NAEHE). Sam Waters, Associate Director, and Alan Fusonie, Head, Special Collections, accepted the donation on behalf of Director Joe Howard.

Presented by the Association president and past president, Jane Taylor and Anna Mae Kobbe, respectively, the volumes trace the organization from its inception in 1933. Two of the volumes received contain the publications of the NAEHE.

Originally recognized as the National Home Demonstration Agents Association, the organization is comprised of educators who interpret and deliver research information to families, and in the process, help people develop the social and economic skills necessary for optimum self-sufficiency. The organization also sponsors conferences and trains volunteer leaders to work with individual groups.

Over refreshments in the Library, the Association members were informed about the expansion of the human ecology collection. Kate Hayes of the Food, Nutrition, and Human Ecology Staff discussed NAL's recent endeavors to develop a core collection of general human ecology materials, and a special collection of over 1,100 family life education resource items which are focused directly to the extension home economist's educational programming needs. Hayes also pointed out the existing substantial collection of food, nutrition, and personal/ organizational management resources which are presently available to home economists.

In conjunction with the donation NAL--its products and services especially as they relate to human ecology--will be featured in the May 1986 issue of The Reporter, the official publication of the NAEHE.

AGLINET UNION LIST OF SERIALS PUBLISHED

A new edition of the AGLINET Union List of Serials has been published by the Food and Agriculture Organization (FAO) of the United Nations. It was prepared, as was the first list in 1979, by the staff of the David Lubin Memorial Library at FAO Headquarters. A new feature of the 1985 edition is an index referring users from previous or alternative titles to the currently established main entry.

The number of AGLINET (Agricultural Libraries Information Network) centres has increased since 1979 to 23 and some indication of the participating libraries' holdings is shown for each title. Copies of the AGLINET Union List of Serials can be obtained free from the David Lubin Memorial Library, FAO, 00100 Rome, Italy.

ARID LANDS PUBLICATIONS MICROFICHED

NAL and the Arid Lands Information Center (ALIC), University of Arizona, have completed a joint project to microfiche a portion of the Center's extensive jojoba and guayule collections.

Jojoba and guayule are two plants of interest to the nation and specifically to American agriculture because of their critical materials status. Jojoba oil has been targeted for several potential uses that include lubricants, cosmetics, and pharmaceuticals. Guayule is of interest chiefly for its use as a rubber substitute.

ALIC has been collecting materials in the area since the 1930's. In 1982 it issued the bibliography Jojoba: Guide to the Literature, containing 685 citations to jojoba literature. It has also compiled--though not previously issued--a 551 item bibliography of the guayule literature. Both of these guides were microfiched and included as part of the microfiching project. All the books and articles that are in the ALIC collection and for which copyright releases could be obtained were also microfiched. The Center is offering for sale each set of fiche, together with the bibliographic guide to the collection, for $90 (jojoba) and $105 (guayule). For copies of these sets, apply to the Arid Lands Information Center, 845 N. Park Ave., Tucson, AZ 85719.

The complete collection of papers referenced by the guayule and jojoba bibliographies is maintained both at ALIC and at NAL.

In addition to efforts by the Center, the NAL gratefully acknowledges the contribution of the USDA's Office of Critical Materials to the funding of this important joint project. For further information, contact John Forbes, NAL Network Coordination, 301-344-1563.

NOTED AUTHOR RESEARCHES NAL COLLECTION TO EXPLORE MAN-ANIMAL INTERACTIONS

Dr. Elizabeth A. Lawrence, Professor of Human-Animal Relationships at Tufts University, autographs copies of her work during a visit to NAL. (Photo by Dan Starr)

Recently, NAL had the honor of being host to Dr. Elizabeth A. Lawrence, Professor of Human-Animal Relationships at Tufts University School of Veterinary Medicine. Dr. Lawrence has a rather unique background in two disciplines--veterinary medicine and anthropology. She holds doctorates in both fields and has earned a high reputation for her work in man-animal interractions.

She has authored a considerable number of articles in scientific and scholarly journals dealing with the role of animals in human cultures. She recently completed and published Hoofbeats and Society: Studies of Human-Horse Interactions (Indiana University Press, 1985). Prior to this book Dr. Lawrence published her first book, Rodeo: An Anthropologist Looks at the Wild and the Tame (University of Tennessee Press, 1982), a work which has received wide acclaim for both its literary and technical merit. Both of these books are in the NAL collection.

During her visit, NAL staff members Jesse Ostroff, Technical Liaison Officer for Animal Science, and Dr. Alan Fusonie,

Head, Special Collections, assisted Dr. Lawrence in researching for material dealing with the horse in the early American west, with emphasis on the role of horses in Indian cultures.

COMPUTER SOFTWARE BECOMES PART OF EXPANDED COLLECTION DEVELOPMENT POLICY

The NAL has revised its collection development policy to incorporate the acquisition of machine-readable data files and microcomputer software for agriculturally-related subjects, including general purpose software with agricultural applications.

During the past year, NAL's Food and Nutrition Information Center has rapidly gained recognition as a national demonstration center for food and nutrition microcomputer software. NAL plans to expand this concept to create, at the Library, a national demonstration center for agricultural microcomputer software where its many users--scientists, researchers, farmers, Extension Service personnel, teachers, economists, administrators, and others interested in agriculture--can evaluate software for application to their work and to aid in making purchasing decisions.

However, owing to budgetary constraints, NAL is limited in its ability to purchase software. If your company or organization is interested in donating its software programs or demonstration discs with documentation for use in the center contact:

Win Gelenter
Agricultural Microcomputer
Software Center, Rm. 112,
National Agricultural Library
Beltsville, MD 20705
(301) 344-3732.

Donated software will not be loaned and will be carefully supervised to ensure compliance with copyright restrictions and/or conditions of the gift. Beginning this year, software housed at NAL will be listed in AGRICOLA. In addition, the Library plans to publish a bibliography of software acquired.

USDA EMPLOYEES
MARK YOUR CALENDAR
NAL DAY
April 15, 1986

Come and see the NAL
Learn what NAL can do for you
Meet key staff
See NAL laser technologies

Location: NAL Bldg., Beltsville
(Shuttle Service from South Bldg.)
Time: 9:00-3:30

For more information contact Bob Butler on 301-344-3937.

COME FOR AN HOUR OR ALL DAY!

LITA TO SPONSOR LIBRARY TECHNOLOGY INSTITUTE

The Library and Information Technology Association (LITA), a division of ALA, is sponsoring an institute on library technology. The "Optical Information Systems" institute will be held June 26-27 in New York City prior to the ALA Annual Conference.

The institute will cover CD-ROM and video systems, software, standards, laser cards integrating such systems with library systems, descriptions of specific applications such as at the National Agricultural Library, National Library of Medicine, Information Access, Newsbank and Grolier, and "how they work" sessions.

For more information or a registration brochure, contact ALA/LITA, 50 E. Huron St., Chicago, IL 60611; (312) 944-6780; ALANET ALA0080.

A few copies of the NAL List of Serials by Title, updated last December, are still available. Anyone interested in acquiring a copy should contact: Idalia P. Acosta, Head, Serials Branch, Rm. 002, National Agricultural Library, Beltsville, MD 20705.

RECEPTION HELD FOR FRAZINE TAYLOR

Frazine Taylor

Friends and coworkers attended a reception on January 30 marking Frazine Taylor's completion of her internship at NAL. From Tuskegee University, Ms. Taylor spent 6 months with the Library as part of the 1890 Visiting Librarian's program. During her internship she gathered information and knowledge about NAL's operations and received training in automated systems.

Prior to the reception, Ms. Taylor presented a professional seminar program to the staff about the history of Tuskegee University, its library program, and the present day Hollis Burke Frizzell Library.

To illustrate a point, Ms. Taylor opened her remarks in a foreign language (Fijian). NAL's language--OCLC, AGRICOLA, CALS, FAMULUS, CD-ROM--was just as foreign to her as Fijian was to our ears. She was quick to point out, however, that within 6 months she had acquired a mastery of the NAL language and intended to practice it at Tuskegee.

Founded by Booker T. Washington in 1881, Tuskegee began as a school for Negro teachers. The first library collection located on the second floor of a multipurpose room, was started from a boxful of book donations. Today, the collection numbers over 230,000 volumes. (Photo by Dan Starr)

QUICK BIBLIOGRAPHIES

The bibliographies in this series are primarily computerized online or batch bibliographies emanating from searches performed by the NAL reference staff in response to customer requests. Searches are selected for inclusion based on the currency of the topic, interest among clientele, relative length and probable value to a larger audience. Revisions or updates will be renumbered and reannounced. Only one copy of a title will be sent; however, requesters may make copies. To request a copy of a Quick Bibliography send the title, series number, and a return addressed label to:

Reference Branches, Room 111
National Agricultural Library
Beltsville, MD 20705

NAL--Q.B.--86-26. HERB GARDENING, 1979-85. 94 citations from AGRICOLA. Languages none excluded. Searched by Jayne T. MacLean. January 1986. Updates 83-33.

NAL--Q.B.--86-27. THE NEEM TREE (AZADIRACHTA INDICA), 1970-85. 297 citations from AGRICOLA. Languages none excluded. Searched by Henry Gilbert. January 1986.

NAL--Q.B.--86-28. SHIITAKE: CULTIVATED MUSHROOM, 1970-85. 65 citations from AGRICOLA. Languages none excluded. Searched by Jerry Rafats. January 1986.

NAL--Q.B.--86-29. IMPACT OF GLOBAL ECONOMY ON AGRICULTURAL TRADE. 181 citations from AGRICOLA. Languages none excluded. Searched by Mary E. Lassanyi. January 1986.

NAL--Q.B.--86-30. AGRICULTURAL LEGISLATION, 1979-85. 177 citations from AGRICOLA. English only. Searched by Mary E. Lassanyi. January 1986.

NAL--Q.B.--86-31. ECONOMIC RISK MANAGEMENT IN AGRICULTURE. 114 citations from AGRICOLA. English only. Searched by Julianne Mangin. February 1986.

NAL--Q.B.--86-32. MUSHROOM CULTIVATION WORLDWIDE, 1979-85. 177 citations from AGRICOLA. English only. Searched by Jayne T. MacLean. February 1986.

STAFF UPDATE

RECENT RETIREES

Wei Ping Liao (2nd from right) is recognized along with other NAL staff for their contributions to the Chinese Visitor program. (USDA Photo)

Wei Ping Liao, the Library's Oriental language specialist in the Indexing Branch, Technical Services Division, has retired after 15 years of service with NAL. Prior to her retirement, Mrs. Liao also served as an interpreter and guide for visitors to the Library from the People's Republic of China. Her volunteerism was formally recognized by NAL with a certificate of appreciation in 1984.

Mrs. Liao's career began in China not as a librarian, but in banking where she met her husband while attending special classes. The Chinese government sent her husband to the United States to attend the University of Kentucky and Mrs. Liao joined him in 1948. The civil war in China prevented their return. Through the aid of a congressionally-sponsored bill to assist stranded scholars, employment was obtained and the Liaos decided to stay in the United States.

Mrs. Liao's favorite retirement pastime is going to be catching up on her reading from her large personal library. She is also planning a trip to China this spring. Two sons, a brother, and a sister plan to accompany her to her hometown of Wuhan where she grew up.

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William Yagodich, principal acquisitions officer, Acquisitions Branch, Technical Services Division, retired on January 31 after 33 years of Federal service. He had been on the staff of NAL's Acquisitions Branch since 1966.

William Yagodich

Born in Yugoslavia, Mr. Yagodich came to the United States with the assistance of the Displaced Persons Project in 1949. Joining the U.S. Air Force from 1950 to 1954 and the U.S. Army (1962-64), he holds the title of Lieutenant Colonel in the Army Reserve (retired). He has a degree in political science from the American International College, Springfield, Massachusetts, and a USDA Graduate School Certificate in Public Administration.

Mr. Yagodich has demonstrated superior leadership as the coordinator of the Cooperative Education Program at NAL and as acquisitions and collection development liaison officer with the Library of Congress. At the last NAL awards ceremony he received a certificate of appreciation for his expertise and knowledge of acquisitions activities.

He is active in the American Legion, Reserve Officers Association, and other organizations, however, his immediate attention will be devoted to planning his travel itinerary, which is high on his list of priorities. Eventually, says Mr. Yagodich, he may start a book trade or travel agency. (Photo by Dan Starr)

NEW PUBLICATIONS OF NOTE

THE AGRI-PLASTICS REPORT. 1986. Cambridge Market Research Associates publishers. A monthly newsletter for the agricultural community, designed to provide accurate and timely agriculture/plastics information. $36 per year. Order from publisher, P. O. Box 161, Cambridge, MA 02238. Tel.: (617) 661-8776.

BRIEFBOOK: BIOTECHNOLOGY AND GENETIC DIVERSITY. 1985. California Agricultural Lands Project publishers. An extensive chronology of the germplasm story. Over 70 "expert sources" on all aspects of the plant genetic resources issue. Glossary and references to books, articles, and journals included. $9.95 plus $1.50 mailing. Order from publisher, 227 Clayton St., San Francisco, CA 94117. Tel.: (415) 751-3144.

**ENGLISH TRANSLATION OF RUSSIAN COMMON NAMES OF AGRICULTURAL AND FOREST INSECTS AND MITES. Portland, OR, U.S. Department of Agriculture, Forest Service. June 1985. 94 p. (Report No. FSGTR-PNW-183). $11.95. PB85-246247/XAB.

*FIELD CROP PESTS: FARMERS REPORT THE SEVERITY AND INTENSITY. Washington, D.C., U.S. Department of Agriculture, Economic Research Service. 1985. 52 p. (Agriculture Information Bulletin No. 487). $2.25. S/N 001-019-00377-4.

*GENERIC ADVERTISING OF FARM PRODUCTS. Washington, D.C., U.S. Department of Agriculture, Economic Research Service. 1984. 15 p. (Agriculture Information Bulletin No. 481). $1.50. S/N 001-019-00361-8.

**HORTICULTURAL PRODUCTS REVIEW, AUGUST 1985. Washington, D.C., U.S. Department of Agriculture, Foreign Agricultural Service. August 1985. 33 p. (Report No. FHORT-8-85). $9.95. PB85-248995/XAB.

**NEW DIRECTIONS FOR BIOSCIENCES RESEARCH IN AGRICULTURE: HIGH-REWARD OPPORTUNITIES. Washington, D.C., National Research Council. March 1985. 136 p. (Report No. ISBN-0-309-03542-2). $16.95. PB85-240547/XAB.

**PLANTS POISONOUS TO LIVESTOCK IN THE WESTERN STATES. Beltsville, MD, U.S. Department of Agriculture, Agricultural Research Service. May 1985. 91 p. (Report No. USDA/AIB-415). $11.95. PB85-249282/XAB.

*RURAL GOVERNMENTS: RAISING REVENUES AND FEELING THE PRESSURE. Washington, D.C., U.S. Department of Agriculture, Economic Research Service. 1985. 31 p. (Rural Development Research Report No. 51). $1.50. S/N 001-029-00399.5.

**U.S. AGRICULTURE'S POTENTIAL TO SUPPLY WORLD FOOD MARKETS. Washington, D.C., U.S. Department of Agriculture, Economic Research Service. August 1985. 58 p. (Report No. USDA/AER-539). $11.95. PB85-249316/XAB.

**U.S. FARMLAND VALUES, 1982-84: A COMPARISON OF EXPERIMENTAL AND TRADITIONAL DATA. Washington, D.C., U.S. Department of Agriculture, Economic Research Service. July 1985. 33 p. (Report No. AGES-850304). $9.95. PB85-236180/XAB.

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*Order from Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 10402. Tel.: (202) 783-3238.

**Order from National Technical Information Service, Identification Section, 5285 Port Royal Road, Springfield, VA 22161. Tel.: (703) 487-4780. All titles listed are available in microfiche for $5.95 each.

SURPLUS PUBLICATIONS AVAILABLE

The following publications are surplus to the needs of the National Agricultural Library's collection. They will be made available to any interested organization that regularly sends free publications to NAL. This includes most Federal, land-grant, and agricultural research institutions as well as many others. Foreign institutions will need to provide a U.S. mailing address or make other special arrangements with U.S. sources for shipment of material. Listed titles can be requested up to 6 weeks following announcement.

If interested, please write to: National Agricultural Library, USDA, Attn: Gift and Exchange, Room 112, Beltsville, MD 20705, or call Susan Fugate, (301) 344-3732.

1. American Journal of Agricultural Economics - v. 51, Nos. 1, 2, 3, 4, 5.
2. The American Journal of Clinical Nutrition - v. 31, 1977 - v. 36, 1978.
3. Avian Anatomy (Agricultural Handbook 362) - Parts 1 and 2 1972 (bound).
4. Biology of Reproduction - v. 1, 1969 - v. 21, 1979.
5. The Cornell Veterinarian - v. 57, 1967 - v. 73, 1983.
6. Cryobiology - v. 6, 1969; v. 8, 1971 - v. 12, 1975; v. 14, 1977.
7. Enzymologia Biologica Et Clinica - v. 10, 1969 - v. 11, 1970.
8. Forestry Abstracts - v. 19, 1958 - v. 33, 1972 (bound); v. 37, 1976 - v. 42, 1981 (bound).
9. Journal of Animal Science - v. 11, 1952 - v. 19, 1960 (bound); v. 27, 1968 - v. 53, 1981.
10. Journal of Dairy Science - v. 50, 1967, v. 63, 1980.
11. Journal of Economic Entomology - v. 48, 1955 - v. 59, 1966.
12. The Journal of Nutrition - v. 107, 1977 - v. 113, 1983.
13. Mammals in the Seas - v. 4.
14. World Health Organization Technical Report Series - Nos. 205-325.

AGRICULTURE DATEBOOK

March 13-14: MARYLAND NUTRITION CONFERENCE. Baltimore, MD, Hyatt Regency Hotel. Contact: Elton Johnson, Room 2102, Jull Hall, University of Maryland, College Park, MD 20742.

March 18-20: NATIONAL PLANT GERMPLASM COMMITTEE MEETING. Geneva, NY. Contact: Paul Fitzgerald, USDA/ARS, 2000 W. Pioneer Pkway., Peoria, IL 61615. Tel.: (309) 685-4011.

March 19-21: 62ND ANNUAL PACIFIC INTERNATIONAL POULTRY & EGG EXPOSITION. Fresno, CA, Fresno Convention Center. USDA Speaker: Donald L. Houston, FSIS Administrator. Contact: Brian Krieg, Pacific Poultry Association, 9800 Sepulveda Building 618, Los Angeles, CA 90045.

March 23-27: 90TH ANNUAL NATIONAL GRAIN AND FEED ASSOCIATION CONVENTION. San Antonio, TX. Contact: Mississippi Grain & Feed Association, P. O. Box 9714, Jackson, MS 39206.

March 24: FEDERAL INTERAGENCY SEDIMENTATION CONFERENCE. Las Vegas, NV. USDA Speaker: Assistant Secretary Orville G. Bentley. Contact: (202) 447-5923.

March 24-28: 4TH CHEMRAWN WORLD CONFERENCE ON THE GLOBAL OCEAN--ITS CHEMISTRY AND RESOURCES. Woods Hole, MA. Contact: CHEMRAWN IV Coordinating Office, Oceanography Program, University of Michigan, 2455 Hayward Ave., Ann Arbor, MI

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National Agricultural Library
Beltsville, Maryland 20705

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Settling the Land: Utilization of the Arid Lands of Texas

March 13, 1986 **NAL Lobby** **3:30-6:00 p.m.**

A TEXAS SESQUICENTENNIAL CELEBRATION

Musicians **Buffet** **Texas Delegation**

YOUR HOSTS: The National Agricultural Library

Texas Tech University

The Associates of NAL, Inc.

RSVP: Education & Information Staff, NAL (301) 344-3937

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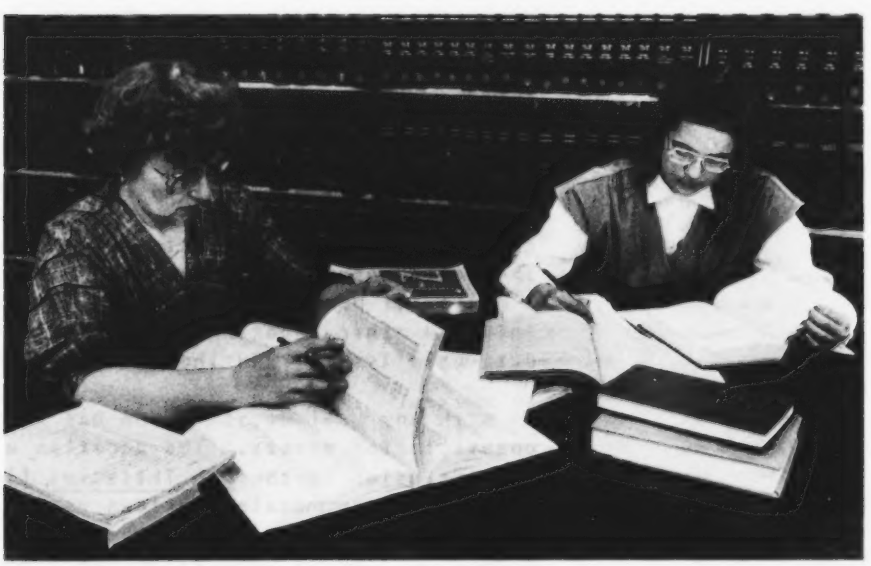
THE KENTUCKY AGRICULTURAL EXPERIMENT STATION INDEXING PROJECT: AN UPDATE

by
Antoinette Paris Powell
and
Lillian R. Mesner
University of Kentucky
Agriculture Library
(606) 257-8360

The Kentucky Agricultural Experiment Station (KAES) Indexing Project is a long term venture that began two decades ago. In the 1960's the Agriculture Library at the University of Kentucky began analyzing substantial Kentucky publications, including all those issued by KAES, and set up a separate card file. The analytical work was done by the cataloger, and retrospective work was done to include everything published by KAES from the beginning. The file had author, title, and LC subject access and was in a separate section of the card catalog. This file was maintained until the workload in general cataloging became so great that the cataloger had to drop the project in 1975. Publishing activities by KAES slowed down so most of the material was available in the local index with library staff members using the Bibliography of Agriculture and AGRICOLA as supplements.

In the spring of 1984 the Kentucky Agricultural Experiment Station began making plans for its centennial celebration for the fall of 1985. Proposals were solicited by the Centennial Committee for projects to honor past and present researchers. A proposal was written to create a machine index of all KAES publications and to issue a printed index as the centennial bulletin. The machine index would be made available in the library and distributed to off-campus units. The indexing



Lillian Mesner (l.), Technical Advisor, and Amelie Charron (r.), Indexer, prepare indexing records for Kentucky Experiment Station publications project. (Photo by Bill Mesner)

A 17.23:

would be done in house on an OCLC M300 terminal (a modified IBM PC) with the proper program and a hard disk. A cost estimate was submitted and the project was approved by the committee with strong support coming from the College Administration.

Early in the conception of the project it was decided to have indexing standards and conventions and that a controlled vocabulary would be used. The CAB Thesaurus was chosen as the controlled vocabulary as it was more comprehensive than LC subject headings and it was already being used in an accessible data base. When the National Agricultural Library (NAL) announced the adoption of the CAB Thesaurus for AGRICOLA, the feasibility of doing our indexing to AGRICOLA standards was explored and NAL was approached with the idea of Kentucky providing its indexing information to NAL. NAL responded favorably and after a meeting with Director Joe Howard it was decided that Kentucky would submit its indexing records for AGRICOLA with indexers at NAL revising and giving feedback. NAL would provide the training for the indexer.

Training for indexing began in January 1985 with Lillian Mesner, cataloger from the University of Kentucky Agriculture Library, going to Beltsville to work with AGRICOLA indexers. The NAL indexing manual was used as the basis for in-house training. With the guidance of two experienced indexers and working independently and receiving immediate feedback, she felt competent to do basic indexing.

The KAES Indexing Project was separated into descriptive tasks and indexing tasks. An additional staff person was funded by the College Administration to handle the basic descriptive and other daily activities associated with the project, i.e., photocopying of title pages. The indexing aspect of the project was assigned to three librarians with cataloging backgrounds. Indexing manuals were prepared and training and planning sessions were held before indexing began. As the workflow developed, materials were submitted regularly to NAL for revision and feedback. (Figure 1 and 2)

Once the indexing was going smoothly, attention was turned to the development of the local data base. Many indexing programs available for the IBM PC were explored and help was sought from the Agricultural Data Center at the University of Kentucky. The Data Center assigned a programmer to the project who wrote a dBase III program for our application. Testing continues on this and other indexing programs, so the creation of the local data base is still in the initial phase. (Figure 3 and 4)

As with any project, this one has had its share of unanticipated events. The addition of terms proposed by NAL for inclusion in the CAB Thesaurus (including many changes needed to accommodate American usage and spelling) caused some delays because our staff member had to devote an appreciable amount of time to annotating the thesaurus. Dealing with the writing style of the early authors consumed additional time by both Kentucky and NAL indexers. Regional terms and colloquial names of plants and insects that differed from modern usage

SAMPLE INDEXING PROCEDURE ....

Bulletin No. 103.

HESSIAN FLY EXPERIMENTS.

By H. Garman, Entomologist and Botanist.

It is now possible to complete the report on experiments made during 1901-1902 with reference to Hessian fly injury in its relation to the time of planting wheat. Statements concerning the benefit resulting from early planting have hitherto been based very largely or entirely on the results of the general practice of farmers. Wheat growers themselves sometimes contradict the assertion that late planting is a means of avoiding injury, basing their opinion on isolated cases of good crops having been obtained from very early-sown seed. Such crops are undoubtedly sometimes obtained, but if we knew all the circumstances an explanation could, in many of the cases, be given entirely consistent with the common opinion that late planting is the better practice. The following record continues and completes the partial report published in Bulletin 98.

Eight plots of Hungarian wheat were planted in the fall of 1901, one week apart, on the following dates: September 26, October 3, 10, 17, 24, 31, November 7, 14. The plots occupied one twenty-second of an acre of ground each. The land was in barley in the spring of 1901, and was already infested with Hessian fly. While a primary object of the experiments was to ascertain the time at which wheat might be planted so as to escape the fly, it was hoped that they might also throw some light on the question as to how late wheat may be planted and yet escape injury from freezing—a question that is so in-

FIGURE 1
The title page of the original document

aec 5/85 app 5/85
t 1902 12 0 eng
100 K41 (2)
Dec 1902 103
Documents available from
Agriculture Library
Agricultural Science Center - North
University of Kentucky
Lexington, KY 40546-0091
F821
p. 229-244
WHEAT
MAYETIOLA DESTRUCTOR
PEST CONTROL METHODS
GARMAN, HARRISON H.
HESSIAN FLY EXPERIMENTS
653
ISOSOMA GRADE
NAL INDEXING WORKSHEET

FIGURE 2
The title page information is transferred to the NAL indexing worksheet, indexing information is added, and worksheet is submitted to NAL for revision.

.... AND RESULTS

SCREEN FROM LOCAL DATA BASE

Field	Field Name	
1	filecode	KAESB [subfile code for Bulletins]
2	catcod 072	F821 [NAL's Category Code]
3	Author 100	Garman, Harrison [up to 10 authors]
13	Title 245	Hessian Fly Experiments
14	Series 250	Bulletin (Kentucky Agricultural Experiment Station) no. 103
15	Pagin 300	p. 229-244
16	Notes 500	
17	Callno 550	630.72:K419b
18	CAB001 650	wheat [up to 25 CAB descriptors]
19	CAB002 650	mayetiola destructor
20	CAB003 650	pest control methods
21	GE0001	[up to 10 geographic descriptors]
22	IOEN001 653	Isosoma grade [up to 15 local identifiers]

FIGURE 3
Indexing information is taken from the NAL worksheet and entered onto the workform for the local data base.

BIBLIOGRPAHY

23

Garman, Harrison

THE HESSIAN FLY EXPERIMENTS

Bulletin (Kentucky Agricultural Experiment Station) no. 103

p. 229-244

630.072:K419b

TITLE INDEX

FEEDING DAIRY COWS 28

HESSIAN FLY EXPERIMENTS 23

INSPECTION AND ANAYSES OF FOODS 19

AUTHOR INDEX

ALLEN, R.R. 20

CURTIS, C.L. 3

CURTIS, H.E. 14, 11

GARMAN, HARRISON 1, 8, 23, 25, 27

HARPER, JOHN H. 18, 24

MATHEWS, CLARENCE W. 4

SUBJECT INDEX

LOCUSTS 1, 27

MAYETIOLA DESTRUCTOR 23, 31

MILK PRODUCTION 10

PEST CONTROL EQUIPMENT 7

PEST CONTROL METHODS 23, 31

PIGS 21

SHADE TREES 9

WHEAT 3, 23

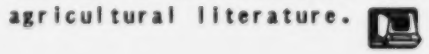
WOODY PLANTS 9

FIGURE 4
Output from the local data base is published into an index with author, title, and controlled subject access.

necessitated consultation with faculty members. Many work sheets were returned to us from NAL with questions about our choice of descriptors or category codes. Upon rechecking our work, it became apparent that document title pages (which were all the NAL indexers had to work from) did not always reflect the range of subjects discussed within the document. Occasional differences of opinion inevitably arose between our group and NAL concerning the degrees of specificity and depth to which some documents should be indexed. At one point, we felt that changes in indexing procedures at NAL were not being communicated to us in a timely manner; this perception may reflect idiosyncratic differences between the two NAL indexers who have served as our reviewers. The feedback from NAL has been constructive and enables us to do quality indexing, but productivity has diminished because the ranks of our indexers have been reduced from three to one as other projects and daily activities have taken two of the librarians from the KAES project.

Although the KAES Indexing Project is behind schedule, we are not disappointed with our progress. The intellectual effort continues and the search for the perfect program continues. To date, 718 worksheets have been submitted to NAL for revision and subsequent incorporation into AGRICOLA. The brand of hard disk has not been chosen, but we now have a better idea of the size needed to support the index. Our calculations indicate that we will need 12 to 15 mb for the current index, so we are planning on a 27 to 30 mb hard disk to allow for growth. In every cloud there is a silver lining. Since submitting our first proposal, advanced typesetting equipment has been installed and refined at the Experiment Station. This will allow us to submit our manuscript on floppy disk, eliminating the need to rekey the entire work. All editorial work can be done on disk with the bibliography being printed only when it is in its final form. The Agricultural Data Center is now interested in loading our index in the mini-computer and making it available through the ANSER (the extension information system) network across the state. The addition of two graduate assistants in library science will increase the indexing capacity as more routine items will be given to them, thereby allowing the librarian to do the more complex indexing.

We continue to be enthusiastic about the KAES indexing project. Although we are almost a year behind schedule, we feel that delays will enable us to produce a better product. The final goal is to have a printed tool that includes major KAES publications covering the years 1885-1985; this publication will be issued to holding libraries. This index will also be offered to the microfilmer to be issued with the microfilm set of KAES documents. We will also have a machine index that will be updated continuously and made available on disk to our patrons and county agents or for those with a modem, through the ANSER Network around the state. Lastly, all substantial Kentucky documents will be available nationally and updated continuously through the AGRICOLA data base. This ambitious project will make a substantial contribution to the preservation of the agricultural literature.



NAL PROJECTS AND POLICIES

NEW INFORMATION CENTER FOCUSES ON THE FAMILY

A new information center focusing on the family joins NAL's growing roster of subject-oriented centers.

The Center is being developed with the cooperation and counsel of the Extension Service, and addresses family strengths, well-being, and social environment. Based on Extension's Home Economics programing needs, the Center emphasizes the specific subject areas of parent education, family adjustment to change and management of stress, and family and individual adjustment to midlife and the aging processes.

New and intensified problems are inherent in the social, economic, environmental, and health trends of the eighties. There is a national awareness of the need to strengthen families to help solve these problems. The establishment of the Family Information Center indicates a commitment by NAL to a strong human resources-oriented program. The Center will serve as the focal point for national concerns and also will rely on a network of interrelated systems that involves family-type organizations, USDA, university and Extension researchers and educators, and the provision of resources through the land-grant and/or local library system.

The formation of the Center responds, in part, to the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (Title XIV, Public Law 95-113) in which Congress called for new Federal initiatives to improve and expand research and Extension programs in home economics, including the area of family life.

In addition, a 1985 report from USDA's Joint Council indicates that both the State Extension Directors/Administrators and the National Extension Advisory Council continue to emphasize family strength programs for FY 1987.

NAL has initiated work with Extension personnel and other cooperators to identify and acquire a growing collection of family life research and educational programming materials. Through these integrated efforts, the Library has amassed a collection of scientific and educational materials which contribute to the knowledge base on family concerns.

Family Info. Center Coordinator Kate Hayes will work with Extension and others to identify and acquire family life resources. (Photo by Dan Starr)

The acquisition of 1,200 Family Life Education resources in support of the Extension's national MAPP project (Model for Analyzing and Planning Family Life Education Programs) is one such example. The MAPP collection is comprised of books, agency reports, dissertation abstracts, audiovisuals, journal articles, and Extension publications, which were identified as exemplary resources by State Child Development, Gerontology, and Family Life Extension Specialists. NAL continues to supplement the Extension MAPP collection with the other recommended resources and plans to utilize such materials through the Family Information Center.

Journal articles and Extension publications belonging to the MAPP collection will be tagged according to six stages of the family and then entered into AGRICOLA. The Family Center staff are also developing several bibliographies, each of which addresses a critical stage of the family including: marital relationships, families of childbearing age and young children, families with elementary school-age children, families with adolescents, empty nest/launching families, and families in retirement.

For further information about the Center's services and products contact Kate Hayes, Coordinator, Family Information Center, National Agricultural Library, Room 304, Beltsville, Maryland 20705, (301) 344-3719.

THE NATIONAL AGRICULTURAL LIBRARY 1986 EXHIBITS SCHEDULE

NAL staff will be available at the following conference locations to answer questions and receive comments about our products, services, and latest projects. Stop by our booth and see us. It's the next best thing to being in Beltsville!

*American Association for the Advancement of Science, Franklin Plaza and Philadelphia Center, Philadephia, PA, May 25-30, Booth 42.

*American Society of Biological Chemists, D.C. Convention Center, Washington, D.C., June 8-12, Booth E63.

**Institute for Food Technologists, Dallas Convention Center, Dallas, TX, June 15-18.

**American Home Economics Association, Kansas City Convention Center, Kansas City, MO, June 23-25.

*American Library Association, Jacob K. Javits Convention Center, New York, NY, June 28-July 1, Booth 242.

**Society for Nutrition Education, J. W. Marriott Hotel, Washington, D.C., July 6-9.

*American Veterinary Medical Assoc., Georgia World Congress Center, Atlanta, GA, July 21-24.

American Soybean Association, Convention Exposition Center, Cincinnati, OH, July 25-28.

**American School Food Service Assoc., Cobo Hall, Hall C, Detroit, MI, July 28-30.

*American Institute of Biological Sciences, University of Massachusetts, Amherst, MA, August 10-14.

*Society of American Foresters, Birmingham Jefferson Convention Center, Birmingham, AL, October 5-8.

*Association of Official Analytical Chemists, The Registry, Washington, D.C., October 12-16.

**American Dietetic Association, Las Vegas Convention Center, Las Vegas, NV, October 28-30.

For more information about NAL exhibit activities contact:

*Elizabeth Goldberg, Head, Farming and Forestry Reference, Rm. 111, (301) 344-3704

**Robyn Frank, Chief, Food, Nutrition, and Human Ecology Staff, Rm. 304, (301) 344-3719

Get a head start at The Library

National Library Week April 6-12, 1986

NAL CONDUCTS JOURNAL EVALUATION

Last year, a Journal Evaluation Committee (JEC) was formed to conduct a systematic review of all journals indexed by NAL and its cooperative indexers and to recommend journals for coverage in AGRICOLA. The need to reassess journals is a result of overlap between the AGRICOLA and AGRIS databases. (NAL regularly contributes records to AGRIS which is now available in the United States as File 203 on DIALOG.) In addition, the Indexing Branch's backlog has grown because better subject access is being provided through the addition of CARVOC terms which, in turn, increases indexing time.

For these reasons, NAL plans to focus primarily on indexing U.S. publications and publications not indexed elsewhere. Other foreign literature will be covered on a more selective basis. By devoting resources to non-redundant material, agricultural literature will receive better overall coverage.

Each division of the Library was represented on the JEC. Lists of journal titles were compiled and journals examined in the following order: foreign language, English language (foreign imprint), and English language (U.S. imprint). Following completion of the journal evaluation process, NAL will be indexing approximately 4,500 journals. Indexing priorities have been established and USDA state experiment station, state extension service, and U.S. publications will be indexed before foreign literature.

A list of foreign language journals which will no longer be indexed in AGRICOLA is now available. Similar lists for the other two categories, English language (foreign imprint) and English language (U.S. imprint), will be available in the near future. To receive a copy of the lists, or for more information, send your request to Shirley Edwards, Head, Indexing Branch, Room 011, National Agricultural Library, Beltsville, Maryland 20705.

UNIVERSITY OF NEBRASKA TO HOLD INTERNATIONAL LIVESTOCK GENETICS CONFERENCE

The 3rd World Congress on Genetics Applied to Livestock Production will be held July 17-22, 1986, at the University of Nebraska, Lincoln, NE (UN-L). The conference is sponsored by the Department of Animal Science, UN-L, the USDA Meat Animal Research Center, and the U.S. Scientific Societies and Industry Organization.

The scientific program includes plenary sessions of invited papers on breeding objectives, breed utilization and industry breeding programs by major species grouping and on general design of breeding programs, with corresponding submitted symposia (short oral) and poster paper sessions.

The 1986 Congress will adjourn 6 days before the Annual Meeting of the American Society of Animal Science (ASAS), July 29-August 1, at Kansas State University, Manhattan, Kansas (about 155 miles south of Lincoln). An optional post-Congress tour is planned for July 23-28.

The proceedings of the 3rd World Congress will be published in four volumes of about 900 pages each, and will be available to delegates when the Congress opens July 16. They also will be printed in sufficient numbers to fill orders from agricultural libraries around the world. The price to libraries will be approximately $90 per four-volume set.

To order a set of proceedings or for more information about the conference write the Organizing Committee, 3rd WCGALP, 220 Baker Hall, University of Nebraska, Lincoln, NE 68583-0908.

SURPLUS PUBLICATIONS AVAILABLE

The following publications are surplus to the needs of the National Agricultural Library's collection. They will be made available to any interested organization that regularly sends free publications to NAL. This includes most Federal, land-grant, and agricultural research institutions as well as many others. Foreign institutions will need to provide a U.S. mailing address or make other special arrangements with U.S. sources for shipment of material.

If interested, please write to: National Agricultural Library, USDA, Attn: Gift and Exchange, Room 112, Beltsville, MD 20705 (enclose a return addressed label), or call Susan Fugate, (301) 344-3732.

1. Alberta Department of Agriculture. V. 10, 1907; V. 16, 1913; V. 54, 1948; V. 60, 1955; V. 64, 1961; V. 65, 1967; V. 74, 1968.

2. American Journal of Veterinary Research. v. 39, no. 9, 1978; V. 43, nos. 1-12, 1982.

3. American Paper Industry. V. 48, Jan.-Dec. 1966 (Bound); V. 51, Jan.-Dec. 1969 (Bound); V. 52, Jan.-Dec. 1970 (Bound).

4. Applied and Environmental Microbiology. V. 41, nos. 1-6, 1981 - V. 44, nos. 1-6, 1982.

5. Australian Journal of Botany. V. 29, nos. 1-6, 1981 - V. 30, nos. 1-6, 1982.

6. Biochemical Medicine. V. 6, 1971 - V. 22, 1979.

7. Endocrinology. V. 108, nos. 1-6, 1981 - V. 111, nos. 1-6, 1982.

8. Energy Research Abstracts and Indices. V. 1, 1976 - V. 9, 1984.

9. Journal of the Association of Official Analytical Chemists. V. 45, nos. 1, 3, 4, 1962; V. 46, nos. 1-6, 1963 - V. 47, nos. 1-6, 1964; V. 48, nos. 1, Supplement No. 1-4, 1965; V. 49, nos. 1, 3, 4, 5, 6, 1966; V. 50, nos. 1, 3, 5, 6, 1967; V. 51, nos. 1-6, 1968; V. 52, nos. 2-6, 1969; V. 53, nos. 1-6, 1970 - V. 59, nos. 1-6, 1976.

10. Journal of the Chemical Society. V. 24, 1871 - V. 60, 1891; V. 63, 1893 - V. 65, 1894; V. 74, 1898; Collective Index 1883-1892.

11. Journal of Food Science. V. 45, nos. 2, 4, 1980; V. 46, nos. 1, 2, 1981; V. 47, nos. 2-5, 1982.

12. Journal of Immunology. V. 122, nos. 1-6, 1979; V. 123, nos. 1-6, 1979.

13. Laboratory Training Manual on Technical Reports Series: Radioimmunoassay in Animal Reproduction. No. 233, Vienna, 1984.

14. Paper Trade Journal. V. 112, 1941 - V. 127, 1948 (Bound).

15. Parasitology. V. 80, parts 1-3, 1980; V. 81, part 3, 1980; V. 82, parts 1-4, 1981; V. 83, parts 1-3, 1981; V. 84, parts 1-4, 1982; V. 85, parts 1-3, 1982.

16. Pulpwood Production. V. 6, 1958 - V. 15, 1967 (Bound).

17. The Rose Annual, 1971-75; 1979-82.

18. Scottish Forestry. V. 49, 1935 and V. 50, 1936 (Bound); V. 51, 1937 - V. 60, 1946 (Bound); V. 16, 1962 - V. 19, 1965 (Bound); V. 20, nos. 1-4, 1966; V. 21, nos. 2-4, 1967; V. 22, 1968 - V. 23, 1969 (Bound); V. 24, nos. 1-3, 1970; V. 25, nos. 1-4, 1971; V. 26, nos. 1, 2, 4, 1972; V. 27, 1973 - V. 30, 1976; V. 31, nos. 1-4, 1977 - V. 32, nos. 1-4, 1978.

19. Separation Science and Technology. V. 1, 1966 - V. 15, 1980.

NEW SERIALS RECEIVED AT NAL

AG IN THE CLASSROOM NOTES. Washington, D.C., U.S. Department of Agriculture. bi-m. Vol. 1, no. 1 (Nov. 1985)-
aS533.A35

COMPUTER APPLICATIONS IN THE BIOSCIENCES: CABIOS. Washington, D.C., IRL Press. q. Vol. 1, no. 1 (1985)-
QH313.C65

INTERNATIONAL AGROPHYSICS. Boston, MA, Nijhoff/W. Junk. q. Vol. 1, no. 1 (1985)-
S589.157

JOURNAL OF TROPICAL ECOLOGY. New York, NY, Cambridge University Press. q. Vol. 1, pt. 1 (Feb. 1985)-
QH541.5.T7J68

OASIS: BIMESTRALE DI NATURA ECOLOGIA FOTOGRAFIA. Aosta, Italy, Musumeci & Fioratti. bi-m. Anno 1, n. 1 (genn./febb. 1985)-
QH7.027

PLANT PROTECTION QUARTERLY. Victoria, Australia, Inkata Press. q. Vol. 1, no. 1 (1985)-
SB950.3.A8P535

QUARTERLY ECONOMIC REVIEW OF ANGOLA, SAO TOME & PRINCIPE. London, The Economist Intelligence Unit. q. no. 1 (1985)-
HC578.A5Q1

QUARTERLY ECONOMIC REVIEW OF AUSTRALIA. London, The Economist Intelligence Unit. q. no. 1 (1985)-
HC601.A1E3

ASSOCIATES NAL, INC.

ASSOCIATES NAL, INC. OPEN ANNUAL AWARDS NOMINATIONS

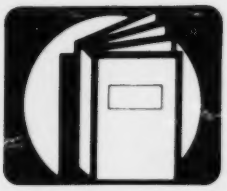
The Associates of the National Agricultural Library, Inc. are currently accepting nominations for outstanding individuals in the agricultural library community. Special awards in three categories will be presented at the organization's annual meeting in July 1986. The three award categories are:

(1) PROFESSIONAL ACHIEVEMENT AWARD for published contributions to library literature or meritorious accomplishment in the library science field. Eligibility: Open to scientists, researchers, librarians, professional societies, businesses, and Associates NAL, Inc.

(2) CITATION OF SPECIAL RECOGNITION for special achievement and/or service given to the National Agricultural Library, to other agricultural libraries, or significant achievements leading to the advancement of the library science field. Eligibility: Open to concerned individuals, organizations, and businesses in the agricultural field, NAL staff, and the Associates NAL, Inc.

(3) DISTINGUISHED SERVICE AWARD recognizes and encourages meritorious performance exceeding job requirements. Eligibility: Open to all members of the National Agricultural Library staff.

All nominations should be mailed no later than May 31, 1986, to Dr. Barbara Williams Jenkins, Box 1565, South Carolina State College, Orangeburg, South Carolina 29117. Each nomination should include the following information: (1) Name of the award for which the candidate is proposed, (2) a statement describing the basis of the nomination and, (3) where appropriate, a nomination.



NEW PUBLICATIONS OF NOTE

AGRICULTURAL AND ANIMAL SCIENCES JOURNALS AND SERIALS: AN ANALYTICAL GUIDE. January 1986. Greenwood Press publishers. Examines 361 major English-language agricultural journals and serials that are either research oriented or treat topics that receive minimal journal coverge. 211 p. $45.00. Order from publisher, Box 5007, Westport, CT 06881. Tel.: (203) 226-3571.

**DAIRY, LIVESTOCK AND POULTRY: TRADE AND PROSPECTS, MAY 1985. Washington, D.C., U.S. Department of Agriculture, Foreign Agricultural Service. May 1985. 49 p. (Report No. FDLP-3-85). $9.95. PB85-211191/XAB.

**DETAILED PHOSPHORUS CHARACTERIZATION OF SEVENTY-EIGHT SOILS. Beltsville, MD, U.S. Department of Agriculture, Agricultural Research Service. July 1985. 32 p. (Report No. ARS-31). $9.95. PB85-243376.

**DIRECTORY OF FEDERAL LABORATORY AND TECHNOLOGY RESOURCES - A Guide to Services, Facilities and Expertise, 1986-1987. 1986. A comprehensive guide to hundreds of Federal agencies, laboratories, and engineering centers. Describes the capabilities of each organization and information contacts. 288 p. $32.00. PB86-10013/KCS.

**ESTIMATING COSTS AND RETURNS FOR POULTRY AND EGGS. Washington, D.C., U.S. Department of Agriculture, Economic Research Service. July 1985. 32 p. (Report No. AGES-850703). $9.95. PB85-236198/XAB.

*FRUIT CROP PESTS: GROWERS REPORT THE SEVERITY AND INTENSITY. Washington, D.C., U.S. Department of Agriculture, Economic Research Service. 1985. 27 p. (Agriculture Information Bulletin No. 488). $2.25. S/N 001-019-00377-4.

POTATO PRODUCTION IN THE NORTHEAST, A GUIDE TO INTEGRATED PEST MANAGEMENT. 1986. 93 p. $4.75. Order from the Cooperative Extension Service, Bulletin Distribution Center, Cottage A, Thatcher Way, University of Massachusetts, Amherst, MA 01003.

PROCEEDINGS OF THE SYMPOSIUM ON THE COLORADO POTATO BEETLE, XVIITH INTERNATIONAL CONGRESS OF ENTOMOLOGY. 1986. David N. Ferro and Robert H. Voss, ed. $7.00. Order from Massachusetts Agricultural Experiment Station, Bulletin Distribution Center, Cottage A, Thatcher Way, University of Massachusetts, Amherst, MA 01003.

*SOLAR ENERGY COMPUTER MODELS DIRECTORY. Washington, D.C., U.S. Department of Energy. 1985. A compilation of models for six solar and renewable energy technologies; provides abstracts of over 300 available energy-related models and information contacts. 136 p. $4.75. S/N 061-000-00661-3.

*U.S. CROPLAND, URBANIZATION, AND LANDOWNERSHIP PATTERNS. Washington, D.C., U.S. Department of Agriculture, Economic Research Service. 1984. 17 p. (Agricultural Economic Report No. 520). $1.50. S/N 001-019-00366-9.

VOCABULARY CONTROL FOR INFORMATION RETRIEVAL. Second Edition. February 1986. Information Resources Press publishers. Devoted to manual and computer-based thesauri and thesaurus-like aids to indexing and searching. $29.95. Order from publisher, 1700 North Moore St., Suite 700, Arlington, VA 22209. Tel.: (703) 558-8270.

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*Order from Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 10402. Tel.: (202) 783-3238.

**Order from National Technical Information Service, Identification Section, 5285 Port Royal Road, Springfield, VA 22161. Tel.: (703) 487-4780. All titles listed are available in microfiche for $5.95 each.

QUICK BIBLIOGRAPHIES

The bibliographies in this series are primarily computerized online or batch bibliographies emanating from searches performed by the NAL reference staff in response to customer requests. Searches are selected for inclusion based on the currency of the topic, interest among clientele, relative length and probable value to a larger audience. Revisions or updates will be renumbered and reannounced. Only one copy of a title will be sent; however, requesters may make copies. To request a copy of a Quick Bibliography send the title, series number, and a return addressed label to:

Reference Branches, Room 111
National Agricultural Library
Beltsville, MD 20705

NAL--Q.B.--86-30. AGRICULTURAL LEGISLATION, 1979-85. 177 citations from AGRICOLA. English only. Searched by Mary E. Lassanyi. January 1986.

NAL--Q.B.--86-31. ECONOMIC RISK MANAGEMENT IN AGRICULTURE. 114 citations from AGRICOLA. English only. Searched by Juiianne Mangin. February 1986.

NAL--Q.B.--86-32. MUSHROOM CULTIVATION WORLDWIDE, 1979-85. 177 citations from AGRICOLA. English only. Searched by Jayne T. MacLean. February 1986.

NAL--Q.B.--86-33. CATFISH FARMING, 1970-85. 195 citations from AGRICOLA. English only. Searched by Lee Decker. February 1986.

NAL--Q.B.--86-34. AQUACULTURE, 1984-85. 159 citations from AGRICOLA. English only. Searched by Deborah Hanfman. February 1986.

NAL--Q.B.--86-35. FRESHWATER SHRIMP AND PRAWNS, 1979-85. 68 citations from AGRICOLA. Languages none excluded. Searched by Deborah Hanfman. February 1986.

NAL--Q.B.--86-36. TROUT FARMING, 1979-85. 127 citations from AGRICOLA. English only. Searched by Deborah Hanfman. February 1986.

AGRICULTURE DATEBOOK

April 7-10: ENERGY FROM BIOMASS & WASTES X CONFERENCE AND EXPOSITION. Washington, D.C., Hotel Washington Hilton. Contact: Institute of Gas Technology, 3424 State Street, Chicago, IL 60616.

April 14-15: AMERICAN CHEMICAL SOCIETY SYMPOSIUM (co-sponsored with USDA). New York, NY. Theme: "Minimizing the Risk Associated with Pesticide Use." Contact: (202) 872-4600.

April 21-24: INTERNATIONAL WHEAT CONFERENCE. Cairo, Egypt. Contact: Virgil Johnson, Dept. of Agronomy, University of Nebraska, Lincoln, NE 68583-0915.

April 21-24: VIV-ASIA IN JAPAN. International exhibition of technology and systems for intensive animal production. Harumi Fairground, Tokyo. Contact: James Shaw & Assoc. Inc., 1 Burnhamthorpe Park Blvd., Islington, Ont. M9A 1HB, Canada.

April 28-30: NATIONAL FEED INGREDIENTS ASSOCIATION. Rosemont (Chicago), IL, Hyatt O'Hare. Contact: NFIA, One Corporate Place, Suite 375, West Des Moines, IA 50265.

May 4-7: NATIONAL AGRI-MARKETING ASSOCIATION ANNUAL CONFERENCE. Dallas, TX. Contact: (913) 341-5445.

May 7-13: 59TH INTERNATIONAL AGRICULTURAL SHOW. Hanover, Germany. Contact: German Agricultural Society, Zimmerweg 16, D-6000 Frankfurt am Main 1.

May 11-14: AMERICAN SOCIETY FOR INFORMATION SCIENCE (ASIS) MID-YEAR MEETING. Portland, OR. "Database Management; Building, Changing, and Using Databases." Contact: ASIS, 1424 16th St., N.W., Suite 404, Washington, D.C. 20036. Tel.: (202) 462-1000.

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May 21-22: AACC COMPUTERS IN THE LAB SHORT COURSE. Chicago, IL, Holiday Inn O'Hare Kennedy. Contact: Dotty Ginsberg, AACC Short Course Coordinator, 3340 Pilot Knob Rd., St. Paul, MN 55121.

May 21-23. 78TH ANNUAL AFIA CONVENTION. New Orleans, LA. Contact: Mississippi Feed and Grain Association, P. O. Box 9714, Jackson, MS 39206.

May 25-30: AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE. Philadelphia, PA, Franklin Plaza Hotel. Contact: AAAS, 1333 H St., N.W., Washington, D.C. 20005. Tel.: (202) 326-6459.

June 3-9: AGTECH '86: CHINA INTERNATIONAL AGRICULTURE AND FARMING EXHIBITION. Shanghai, People's Republic of China. Contact: Robert E. O'Donnell, China Expo Management Corporation, 6 E. 39th Street, Suite 700, New York, NY 10016.

June 8-14: 11TH NATIONAL PASSIVE SOLAR CONFERENCE. Boulder, CO, University of Colorado. Contact: American Solar Energy Society, Inc., 2030 17th Street, Boulder, CO 80302.

June 23-27: INTERNATIONAL SYMPOSIUM ON WINDBREAK TECHNOLOGY. Lincoln, NE, Lincoln Hilton Hotel. Contact: James R. Brandle, Department of Forestry, Fisheries, and Wildlife, 101 Plant Industry, University of Nebraska, Lincoln, NE 68583-0814.

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